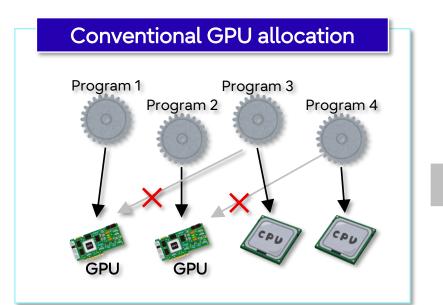


Large Scale Graph AI Framework ~Adaptive GPU Allocation Technology~

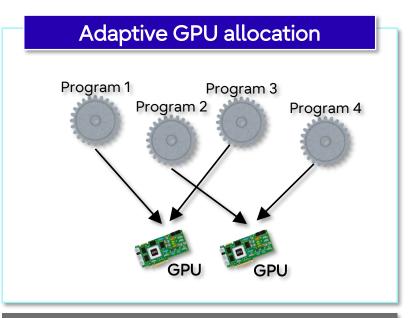
Fujitsu Ltd.







Difficult to share GPUs among multiple programs.



Enable to share GPUs among multiple programs.

How our technology enables GPU sharing



FUITSU

Conclusion



Achievements

- The conventional method dedicates a GPU to each program, so the GPUs can have long idle time.
- Our method effectively switches GPUs among programs, as a result, reduces GPU idle time.
- This demo showed our technology increased GPU utilization and improved overall processing throughput by 55%.

Merits of our technology

- Users do not need to wait long for other jobs to finish to run their GPU jobs.
- Our technology reduces the number of GPUs needed in a data center, resulting in lower operation and hardware cost.



Thank you



Please see our press release "Fujitsu develops world's first technology for real time CPU and GPU processing optimization to address global GPU shortage" https://www.fujitsu.com/global/about/resources/news/press-releases/2023/1109-01.html

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