High Bandwidth Data Streaming Features
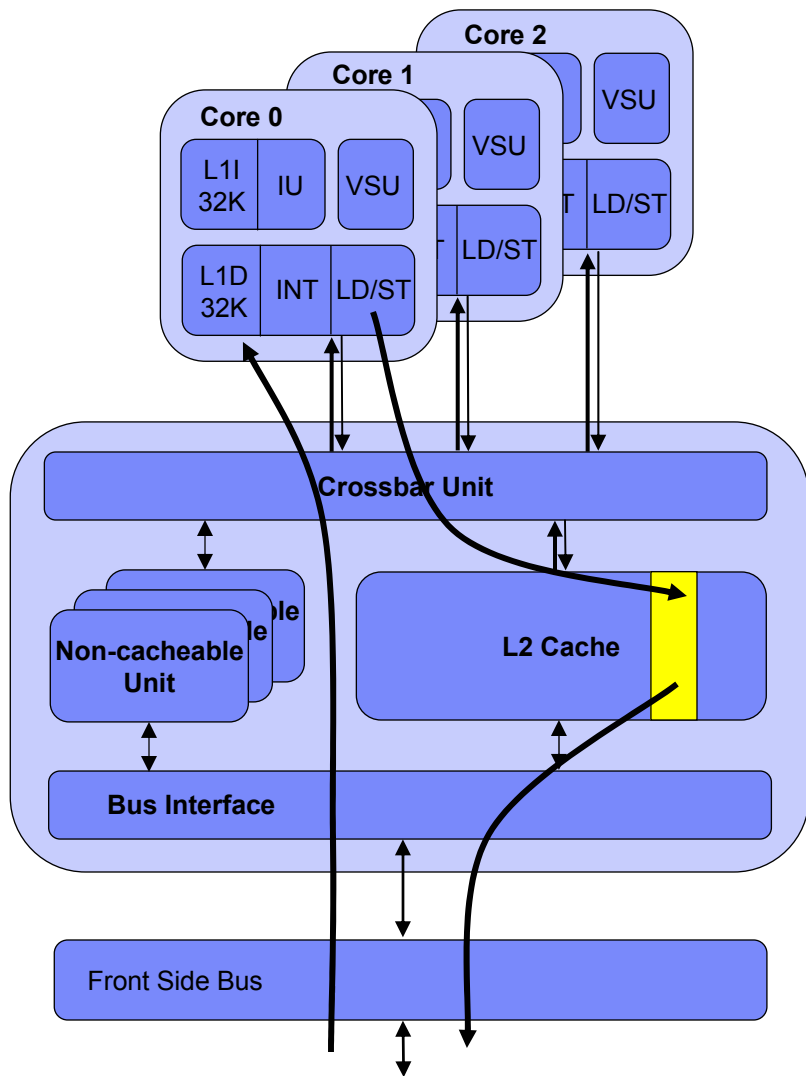

Read streaming

- xDCBT data prefetch around L2, directly into L1

- 8 outstanding load/prefetches per core

Write streaming

- L1s are write through, Writes do not allocate in L1

- Configurable L2 set locking for streaming buffers (avoids L2 thrashing)

- GPU 128B read from L2 (L2 retains ownership)

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