

# An Analysis of Persistent Memory Use with WHISPER

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Persistent Memory = NVM on memory bus

Progress slowed by micro-benchmarks

We contribute :

- Open source WHISPER benchmark suite  
[research.cs.wisc.edu/multifacet/whisper](https://research.cs.wisc.edu/multifacet/whisper)
- Analysis of ordering and consistency in  
WHISPER



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# WHISPER Analysis

**W**isconsin-**HP** Labs **S**uite for **P**ersistence, a benchmark suite for Persistent Memory (PM)

- **4% accesses** to PM, 96% accesses to DRAM
- **5-50 epochs/tx**, primarily from memory allocation & logging
- More in the full talk

**H**ands **O**ff **P**ersistence **S**ystem (HOPS) decouples ordering from durability, performs 24% faster than x86-64

Please attend our talk at **session 3A** today @1:30 pm