

Benchmark Your Code on an MD SimCluster

Run AMBER or NAMD with 8 NVIDIA Tesla™ M2090 GPUs

TEST YOUR MODELS TODAY

Reduce simulation time from days to hours with Microway's Tesla™ Molecular Dynamics (MD) SimCluster. Employing Tesla GPUs, the SimCluster is optimized to simulate large size models and achieve higher accuracy while reducing simulation time. Preconfigured with accelerated AMBER or NAMD, all you need to do is load your models to start your simulation.

8 TESLA M2090s IN A HIGH DENSITY PLATFORM

- Total of 5.32 TFLOPs double precision GPU performance from 4096 CUDA cores (10.64 TFLOPs single)
- 4 1U GPU Compute Nodes: each with 2 Tesla™ M2090 512 core + 6GB GDDR5 ECC GPUs
- 48 CPU Cores: 6-core Intel Xeons, up to 3.06Ghz
- 48GB DDR3 system memory per node
- ConnectX-2™ QDR InfiniBand switch

TRY IT AND BUY IT

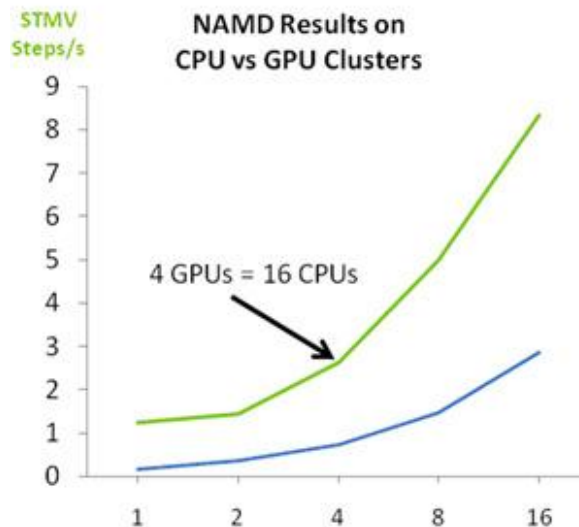
1. Schedule a time
2. Log into the MD SimCluster
3. Load your models and run simulations
4. Purchase and receive your ready-to-run cluster

BENCHMARK CLUSTER SHIPS WITHIN 72 HOURS

Remotely benchmark Microway's Tesla MD SimCluster with your existing AMBER or NAMD codes. If you are pleased with the performance, the benchmark configuration ships within 72 hours. After receipt, power on and start using it.



OFFERING HPC SOLUTIONS SINCE 1982



WHY GPUS FOR AMBER AND NAMD?

- **Simulate Molecules Faster:** Being able to simulate molecules and their interactions faster enables researchers to gain a deeper understanding of their models and develop products that are more stable.
- **Fail Smartly and Quickly:** Focus on high quality drug candidates by eliminating poor candidates in a more time efficient manner.
- **Simulate Larger Molecules:** Avoid time-consuming and costly "wet lab" experiments by simulating several nanoseconds of large complex molecules.

OPTIONAL CULA LIBRARIES PRE-INSTALLED

CULA's GPU-accelerated linear algebra library dramatically improves the computation speed of sophisticated mathematics.

OPTIONAL BRIGHT CLUSTER MANAGER FOR EASY, PROFESSIONAL MANAGEMENT

- Optimization for top throughput with continual health checks, automatic sidelining of troubled nodes
- Graphical displays of cluster utilization, open resources
- Low resource footprint: single daemon and database drives all processes



GET MORE FOR YOUR RESEARCH DOLLARS

Talk to a salesperson who speaks your language at 508-746-7341 or visit:

microway.com/tesla/trybeforeyoubuy/cluster/



Schedule Number:
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