

# Get more power for your CPU-intensive workloads

A Dell EMC™ PowerEdge™ R840 server with Intel® Xeon® Platinum processors and Intel NVMe SSDs completed Monte Carlo workloads faster than a PowerEdge R820 server, while also achieving increased statistical precision and simulation scope.



## The Dell EMC PowerEdge R840



Data analytics is becoming more CPU-intensive every day. The R840 handles these workloads well, with up to 6 TB of memory and space for 24 NVMe drives. These features could benefit your data analytics applications.



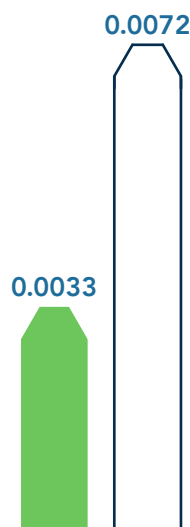
Finish Monte Carlo simulations 4.5x as fast



Average simulations completed per minute (millions)



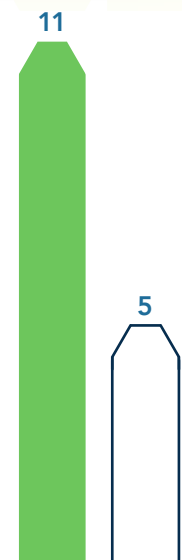
Achieve 54% less statistical error in Monte Carlo methods



Statistical error (lower is better)



Make projections 1.2x further into the future



Years projected ahead

■ Dell EMC PowerEdge R840    □ Dell EMC PowerEdge R820

### Monte Carlo

Since the rise of digital electronic computing, Monte Carlo workloads have become widespread in mathematics, helping to solve numerical integrations, optimizations, and inverse problems.

Learn more at <http://facts.pt/WGrQth>