Customers today spend 70% of their IT budget on current operations with only 30% going towards adding new services and gaining competitive advantage. They would rather have the proportions reversed. Sun’s Throughput Computing strategy aims to help our customers get there!

With traditional, single-threaded processor design, performance improvements are measured in tens of percents per year. By moving to chip multithreading or CMT designs, we will see a radical change in the throughput per processor. In 2005/2006, we’ll have a blades processor offering 15× the throughput of the current blades processor (systems expected in early 2006). Beyond that, we’ll have a systems processor delivering 30× the throughput of the current systems processor. Not tens of percents, tens of times faster! This is the power of CMT.

The significantly increased processor throughput will enable customers do a whole lot more with less. For a given workload, the IT infrastructure costs such as floor space, power, and maintenance will be dramatically reduced. Additionally, fewer components per system will also increase the reliability of the systems. Basically the cost of computing is reduced by an order of magnitude! This is the biggest change in computing technology since we moved from tubes to transistors to integrated microprocessors. And it frees customers to spend a much bigger proportion of their IT budget on deploying entirely new and more competitive services via network computing.

Executing on Sun’s Throughput Computing strategy, the recently announced dual-threaded UltraSPARC IV processor marks the first milestone in the CMT processor roadmap from Sun.