Driving Energy Efficiency
SPECpower_ssj2008

Developed by the SPECpower Committee
http://www.spec.org/power_ssj2008

Driving Server Energy Efficiency
• 15x energy efficiency gain since release (Q4-2007)
• 698 -> 10,654 overall ssj_ops/watt

Game Changing Innovation
• 1st industry standard benchmark to measure the power and performance characteristics of volume server-class compute-equipment

Flexible
• Supports single and multi-node servers

Benchmark design
• Java based transactions
• Multiple load levels / measurement intervals
• Idle plus 10% increments (10% -100%)

Implementation
• Measures AC power for entire server
• Automated power measurement harness
• Standardized reporting and publication process

Usage & Reporting Examples

Visual Activity Monitor
Performance / Power Results Table
Results Graph

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