

## The POWER Processor Is Everywhere

The POWER processor is used in everything from game systems to special purpose high performance computers.

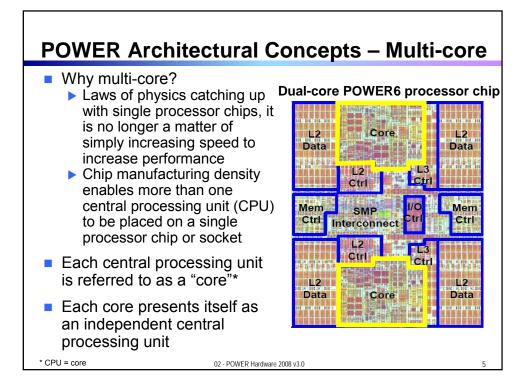
- Largest UNIX systems market share
- 47% of world's fastest computers (Top500)
- ▶ 50% of automobiles worldwide
- All of the top three game consoles
  - Playstation 3, Xbox 360, Wii
- Power.org consortium

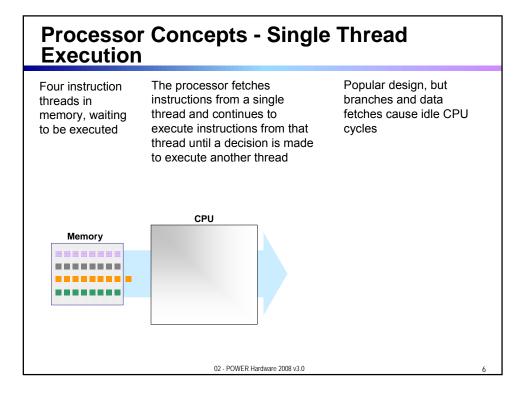
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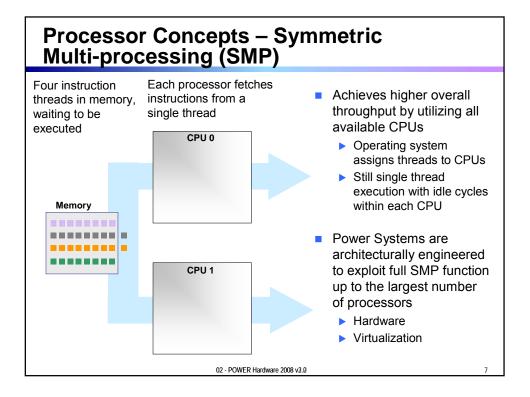
## Quiz: What Does the Acronym POWER, Represent?

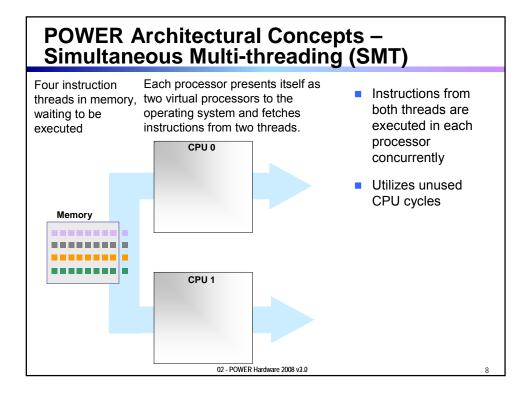
- A. Packets Of WebSphere Engineered Requests
- B. Performance Optimized Workloads Engineered Resilient
- C. Processor Optimized With Energy Reduction
- **D.** Performance **O**ptimized **W**ith Enhanced **R**ISC
- E. Programmatic Octal Wavelengths Electromagnetically Refined

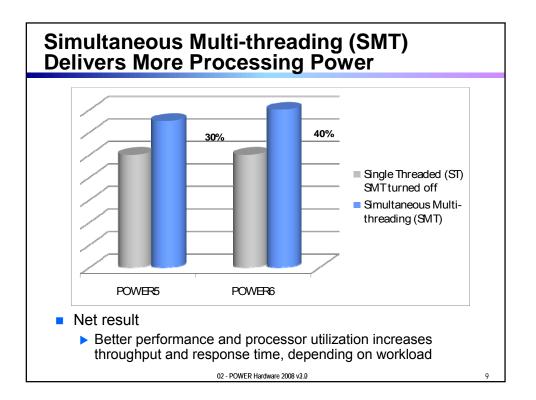
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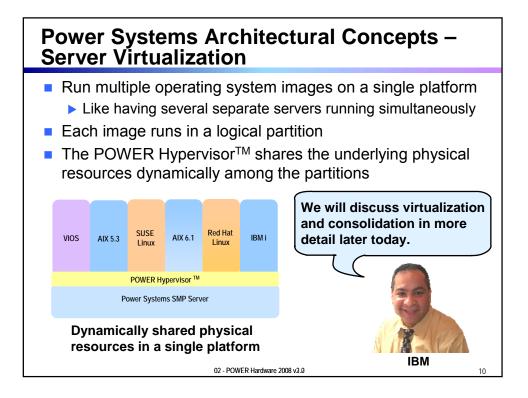


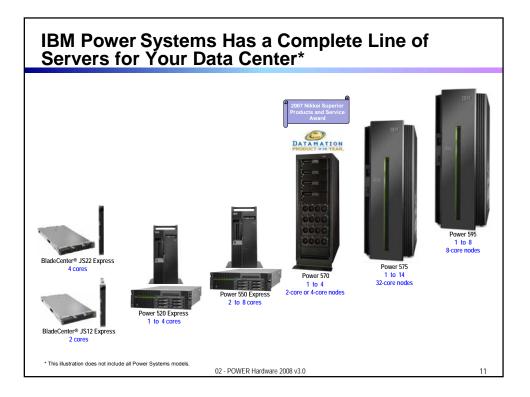


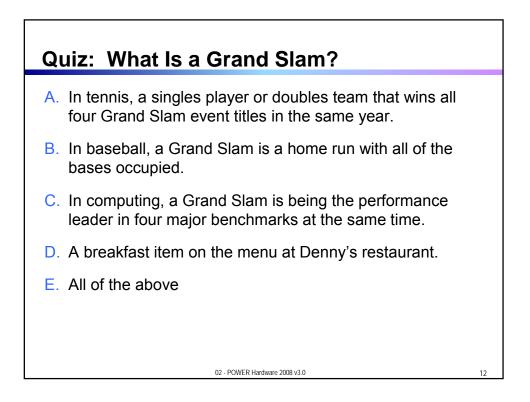


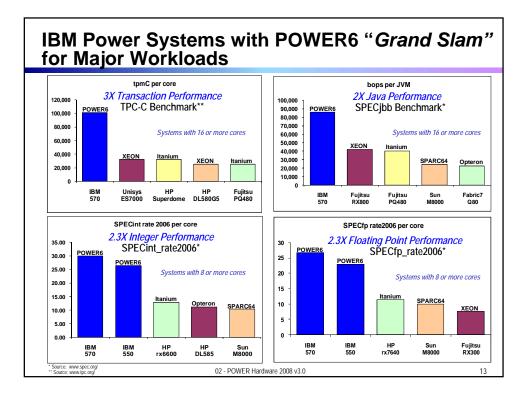


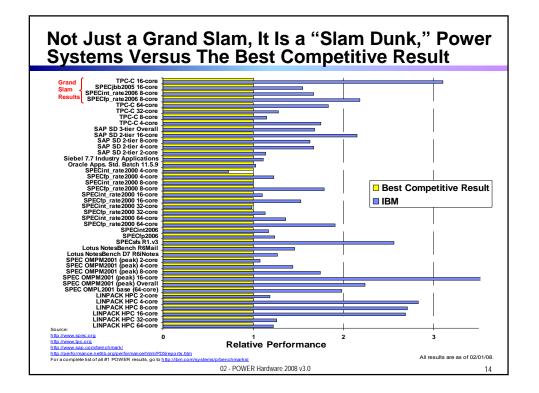


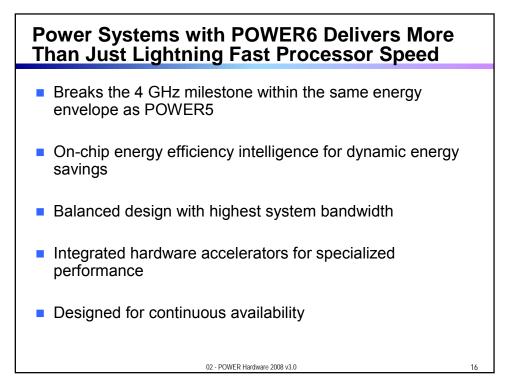


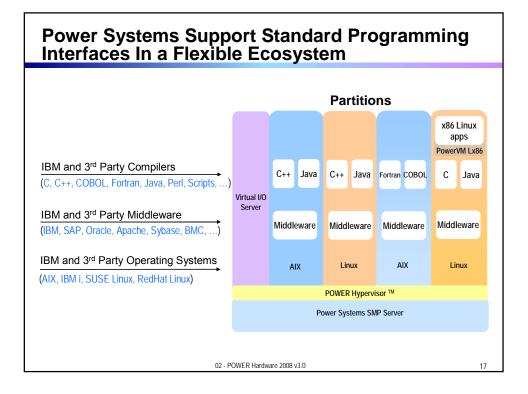


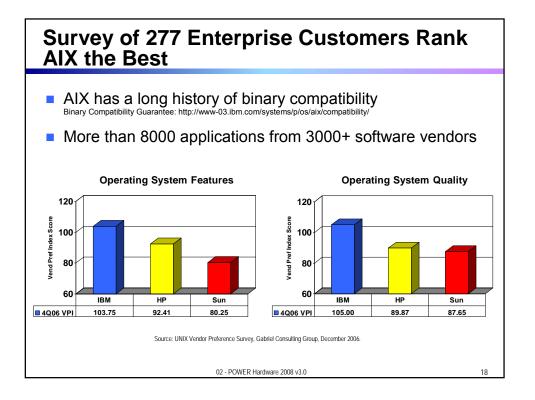


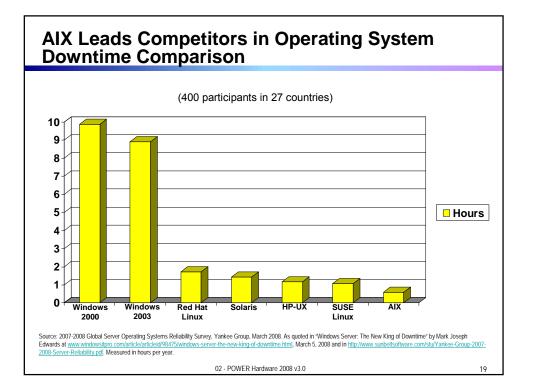


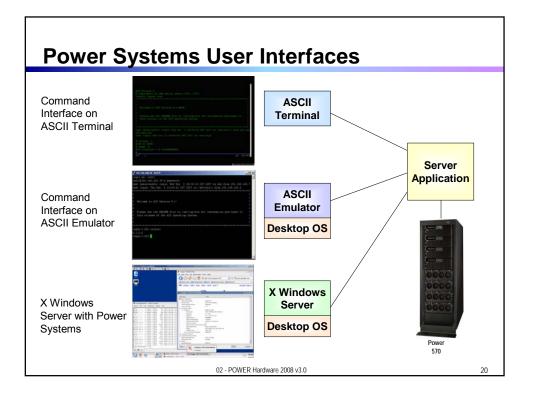


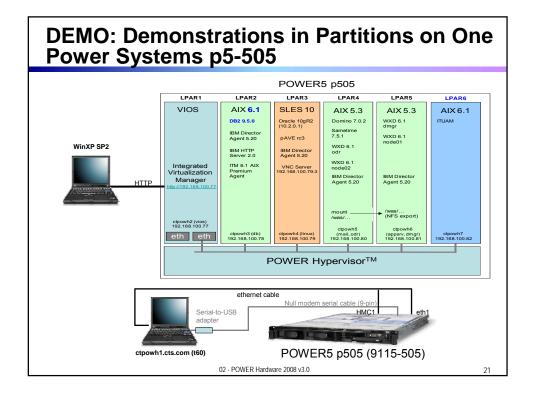


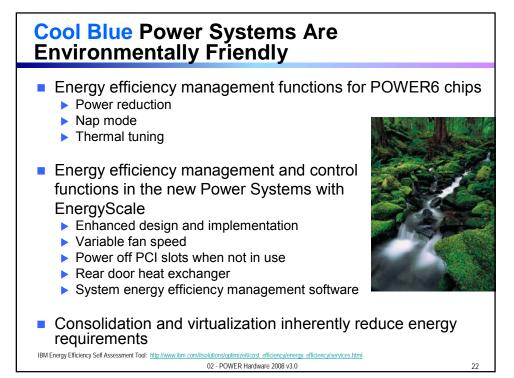


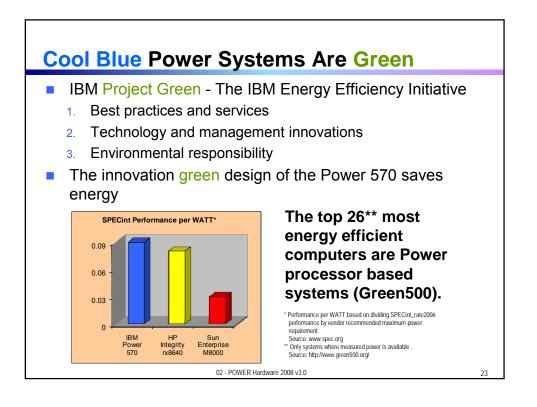


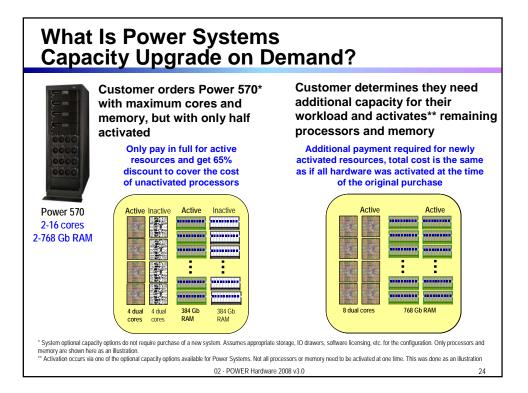




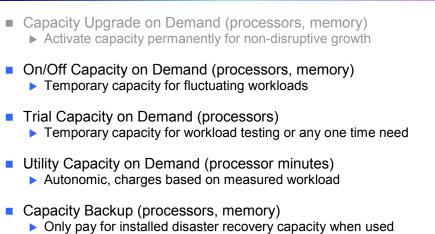






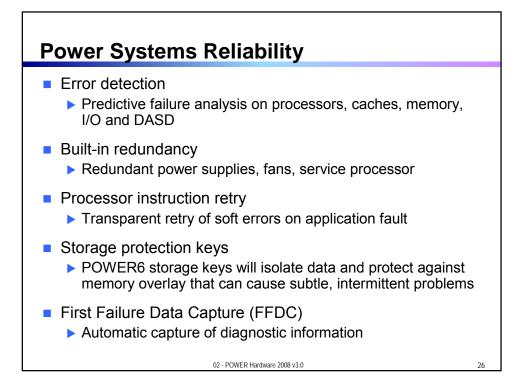


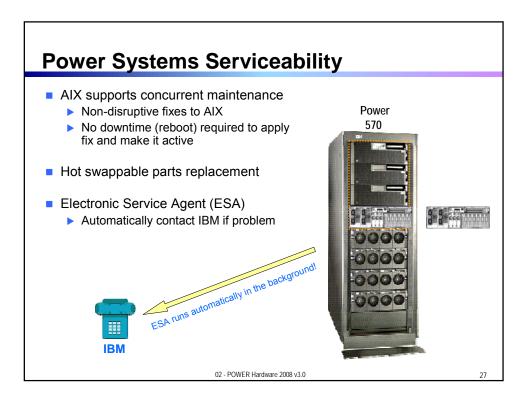
## Four Other Capacity on Demand Options Are Available

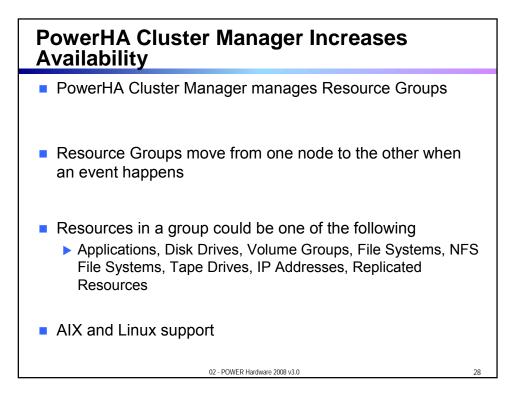


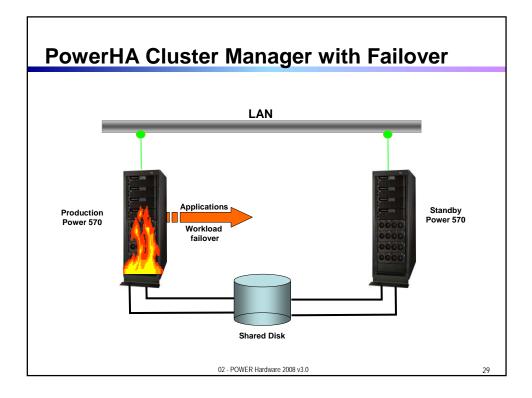
Can be used with PowerHA Cluster Manager and PowerHA Cluster Manager/XD software in failover scenarios

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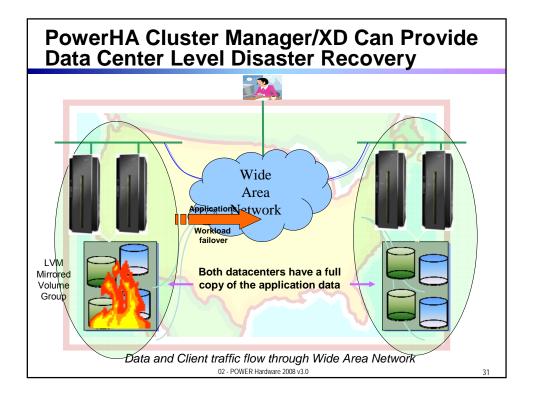


- Provides high availability and disaster recovery solutions
  Recovers locally or moves entire application to backup site
- Integrates PowerHA Cluster Manager with unique data replication code to provide a fully automated solution
- Resources automatically failover to surviving node, no manual steps required
- Clusters
  - Campus wide resources in multiple buildings, customer owns network
  - Metro wide separate datacenters within same metro area, local network provider
  - Unlimited datacenters in different states or countries, leased line networks

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Setup typically requires IBM services

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Compare the Competition			
	IBM ★ Power Systems	Sun Families	HP Families
Processor speed within an energy envelope	~	Slower	Slower
Integrated energy efficiency functions	✓	Future	Future
Overall, price/performance	✓	Higher Cost	Higher Cost
Integrated hardware decimal floating point	~	No	No
Integrated RAS functions	✓	Partial	Partial
Single unified processor architecture	~	No (SPARC, UltraSPARC, SPARC64)	No (Itanium, PA-RISC)
Integrated virtualization assists	~	Only UltraSPARC T1,T2	Only With Itanium (Limited Capability)
Has gone to Mars	✓	No	No
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