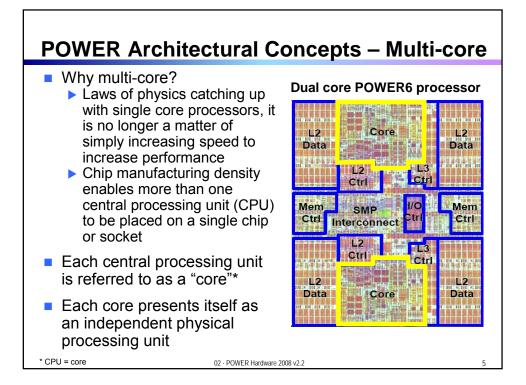
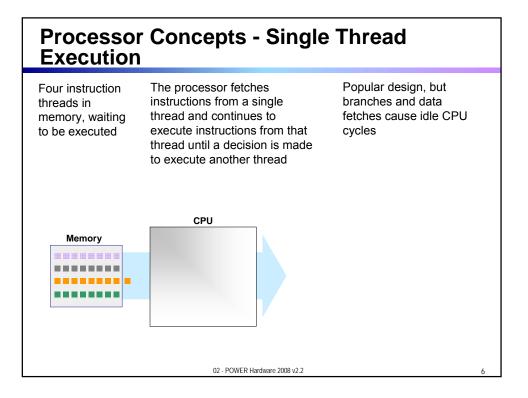


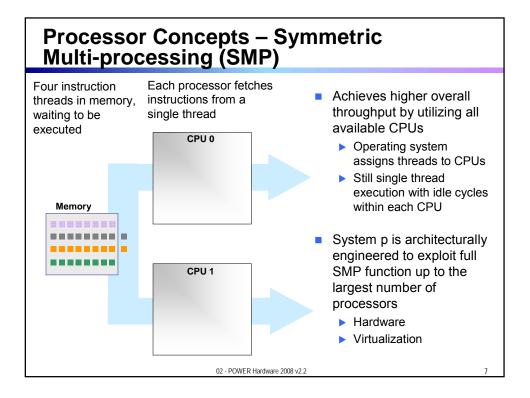
Quiz: What Does the Acronym POWER, Represent?

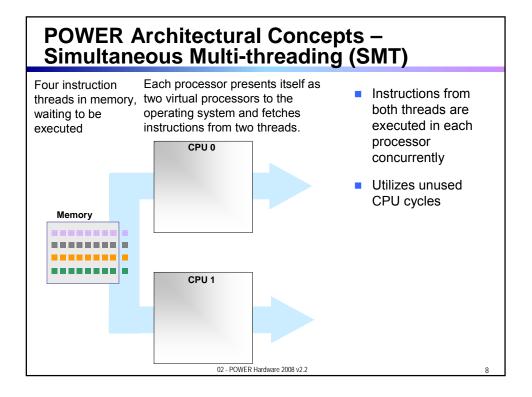
- A. Packets Of WebSphere Engineered Requests
- B. Performance Optimized Workloads Engineered Resilient
- C. Processor Optimized With Energy Reduction
- **D.** Performance **O**ptimized **W**ith Enhanced **R**ISC
- E. Programmatic Octal Wavelengths Electromagnetically Refined

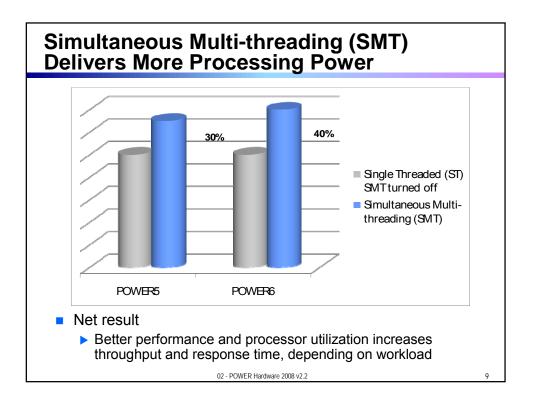
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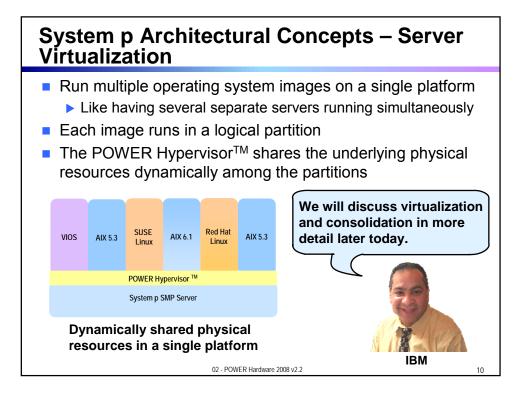


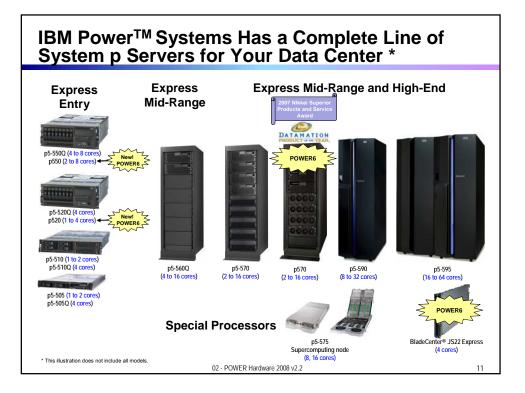


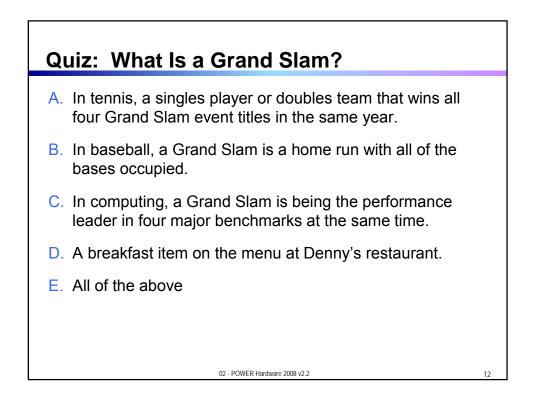


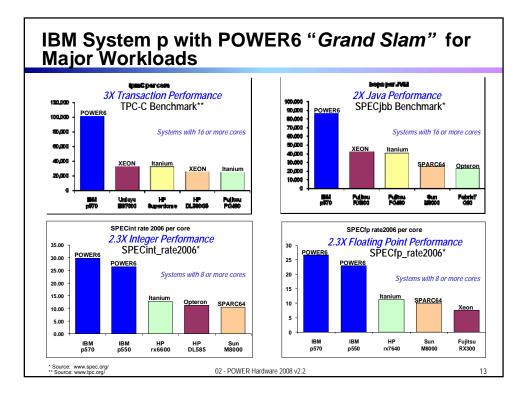


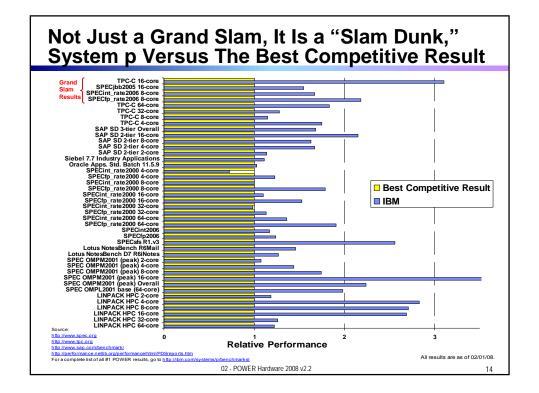


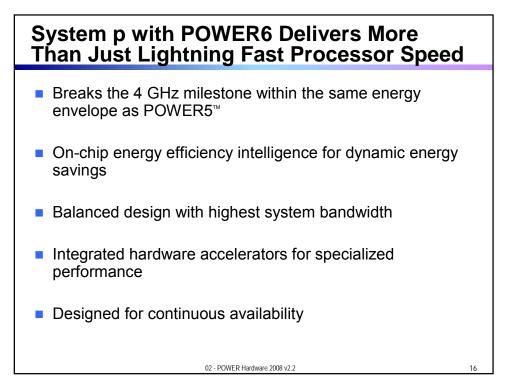


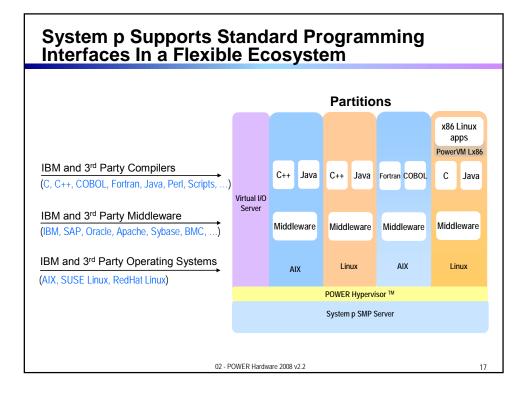


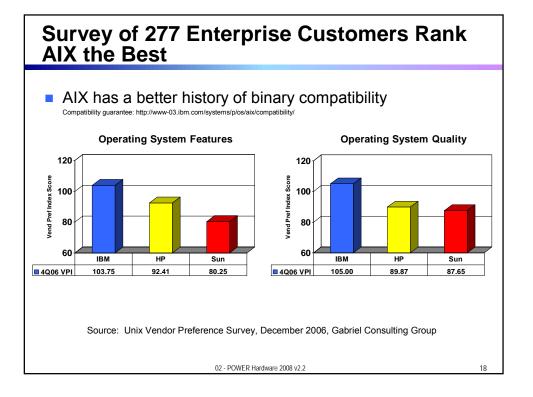


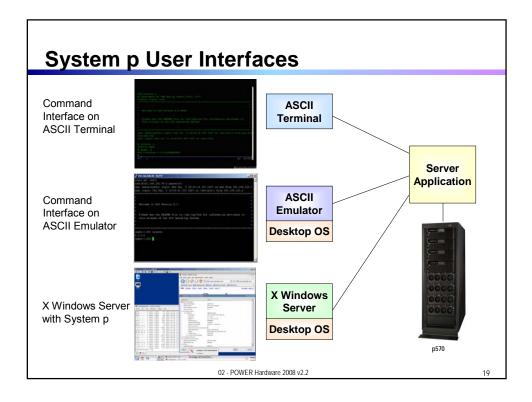


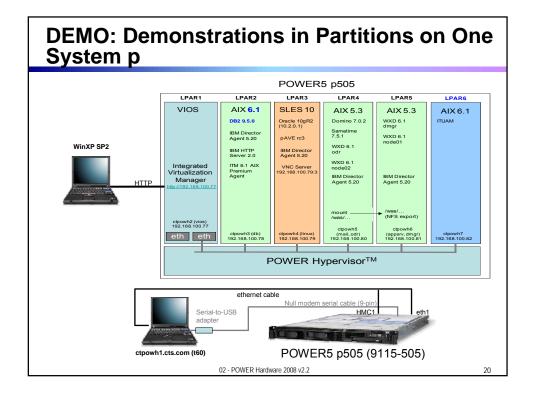










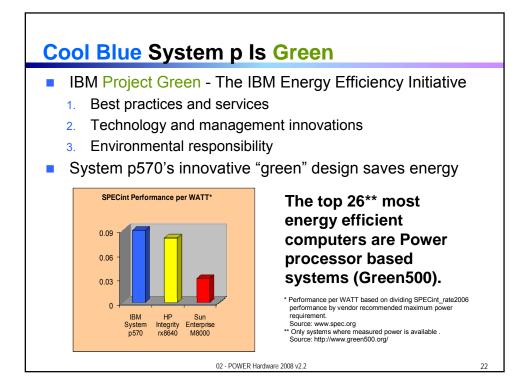


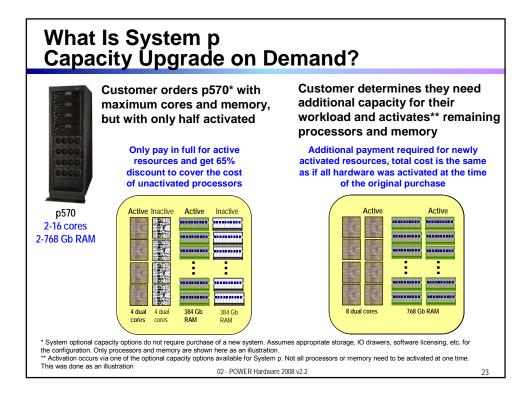
Cool Blue System p is Environmentally Friendly

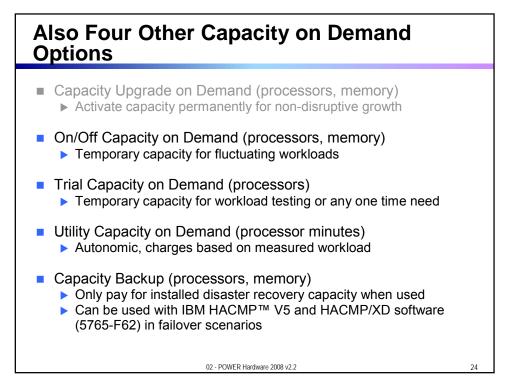
- Energy efficiency management functions for POWER6 chips
 Power reduction
 - Nap mode
 - Thermal tuning
- Energy efficiency management and control functions in the new System p
 - Enhanced design and implementation
 - Variable fan speed
 - Power off PCI slots when not in use
 - Rear door heat exchanger
 - System energy efficiency management software
- Consolidation and virtualization inherently reduce energy requirements

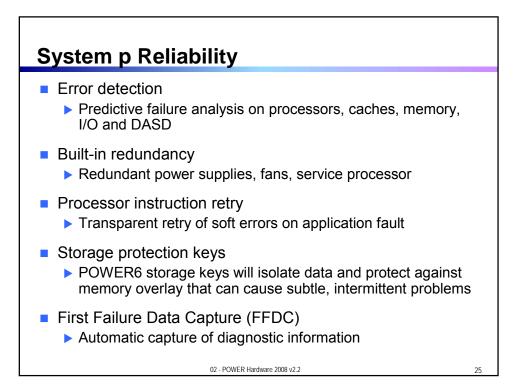
IBM Energy Efficiency Self Assessment Tool: http://www.ibm.com/itsolutions/optimizeit/cost_efficiency/energy_efficiency/services.html
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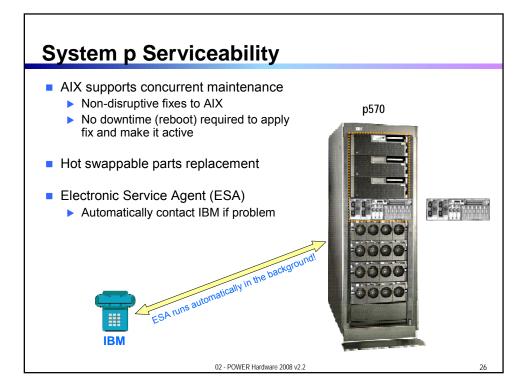








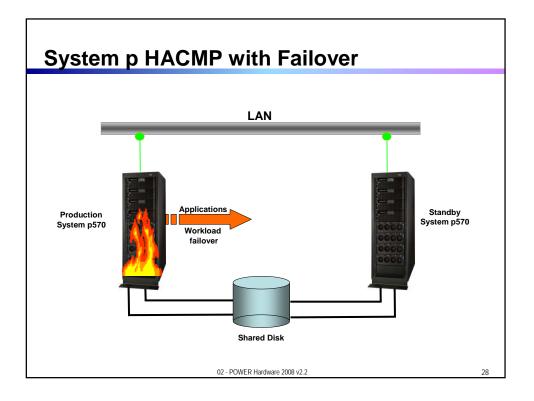




System p High Availability Cluster Multi-Processing (HACMP) Increases Availability HACMP manages Resource Groups Resource Groups move from one node to the other when an event happens

- Resources in a group could be one of the following
 - Applications, Disk Drives, Volume Groups, File Systems, NFS File Systems, Tape Drives, IP Addresses, Replicated Resources
- AIX and Linux support
- Ease of use enhancements in HACMP 5.4
 - Configure or upgrade an HACMP cluster on a node without disrupting the target application
 - Resource dependency graphs

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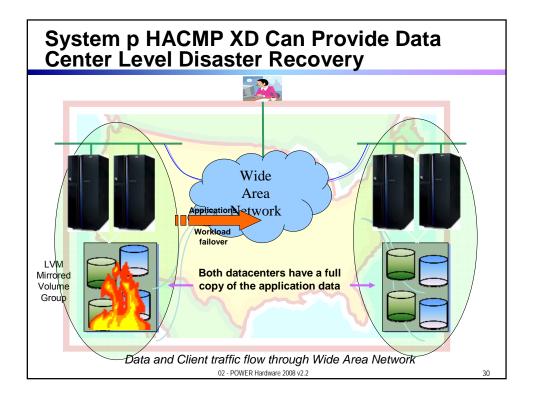
System p HACMP Extended Distance (XD) Provides Disaster Recovery

- Provides high availability and disaster recovery solutions
 Recovers locally or moves entire application to backup site
- Integrates HACMP 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

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- Metro wide separate datacenters within same metro area, local network provider
- Unlimited datacenters in different states or countries, leased line networks
- Setup typically requires IBM services

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Compare the Competition			
	IBM ☆ System p	Sun Families	HP Families
Processor speed within an energy envelope	~	Slower	Slower
Integrated energy efficiency functions	\checkmark	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	\checkmark	No	No



