

SERVER VIRTUALIZATION FOR OPEN SYSTEMS

A Solution Component for Infrastructure Simplification

Benefits:

Company

- Lower fulfillment costs
- Reduced downtime
- More efficient use of corporate resources
- Increased responsiveness to business change

IT Department

- Higher server utilization levels
- Decreased systems management requirements
- Responsive to workload peaks
- Immediate server availability for new workloads
- Improved access controls on departmental and test systems
- Better server utilization
- Swift provisioning for new server instances

For More Information:

Call your local Client Executive or
Open Systems Specialist

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Problem:

Multiple and dispersed physical Intel servers create a complex environment to manage efficiently. Low average resource utilization and increasing support costs for development and maintenance can adversely impact return on investment on IT projects. New workloads and changes to existing ones require significant development time and capital investment.

Solution:

Consolidate workload and simplify the systems environment by creating virtual systems on fewer, highly scalable systems. Micro-partitioning increases system utilization and reduces the number of required hardware components. Shared I/O reduces the number of required adapters. Systems respond to workload peaks dynamically.



Justification:

A single p5-570 4-way system can maintain the response time and throughput of 5 legacy systems¹ by running 5 partitions, each with only 8/10th of a processor. In a 16-system consolidation or replacement, a \$50,000 investment virtualization creates a projected cost saving of \$25,000 to \$150,000 when compared to competitive Sun or HP alternatives. Additionally, SAP benchmarks boast 50% to 100% more users per processor using p5 systems with virtualization.

The Next Step:

MSI Systems Integrators is certified on the latest IBM "p5" virtualization technologies and we can review your current systems to identify workloads that make the most sense in a virtual environment.

- **IT Environment Review** – Familiarize all parties with the existing IT environment, key initiatives, concerns, and budgets through a detailed whiteboard session at MSI's Technology Enablement Center (TEC).
- **p5 Technology Briefing** – Participate in a hands-on briefing that will showcase new p5 technologies and deliver an actionable Unix roadmap customized to your current environment and future needs.
- **p5 "Jumpstart" Solutions** – Integrate enterprise operations and develop best practices customized to your organization. Each "Jumpstart" program is tailored to the specific business needs and product implementation requirements through a detailed consultation.

¹ Compared to 5 4P-270 4-way systems using similar software stacks